

Q.24 Define structure. How it is declared & initialized.
Explain with example.

Q.25 Explain various operators available in C.

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223815

1st Sem / Artificial Intelligence & Machine Learning

Subject : Programming through C

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 In C code, the line that begins with /* and ends with */ is known as?

- a) multiline comment b) Single line comment
- c) Both A & B d) None of these

Q.2 Who developed C Programming Language?

- a) James Gosling b) M.P Java
- c) Dennis Ritchie d) Blais Pascal

Q.3 <= is a _____ operator

- a) Arithmetic b) Unary
- c) Relational d) Logical

Q.4 How many keywords are available in C

- a) 30 b) 36
- c) 28 d) 32

Q.5 Output of $8\%2$ is:

- a) 4 b) 6
- c) 0 d) 2

Q.6 Which symbol is used to assign a value to a variable

- a) @ b) =
- c) # d) %

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Write the syntax of do-While Loop

Q.8 Name any two logical operators

Q.9 How an Array is declared

Q.10 Name any two header files

Q.11 Define Global Variable

Q.12 Structure is a collection of data elements of different data types(True/False)

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SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Explain how a user defined function is created with example.

Q.14 Difference between while & do-while loop

Q.15 Define Array. Explain the use of one dimensional array with example.

Q.16 Difference between Compiler & interpreter

Q.17 Define String. Write any two string related functions

Q.18 Explain various data types available in C

Q.19 Draw a flowchart to find the smallest of 3 no's

Q.20 Write a program to print even numbers up to 20

Q.21 Define Pointer. How a Pointer is declared. Which operator is used to print the address of a variable stored in memory.

Q.22 Explain if-else statement with example.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Explain various steps in development of a program.

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